

**AMENDMENTS TO THE ABSTRACT:**

Please replace the paragraph (Abstract) beginning at page 34, line 3 with the following rewritten version:

An X-ray inspection apparatus (~~10~~) is provided with a shield box (~~11~~), a conveyor (~~12~~), an X-ray irradiator (~~13~~), an X-ray line sensor (~~14~~), a monitor (~~26~~), and a control computer (~~20~~) to enable the apparatus to inspect an article by automatically selecting an appropriate image processing procedure that is most appropriate for the article. The control computer ~~20~~ creates function blocks comprising an image forming section (~~31a~~), an image processing procedure adoption determination unit (~~31b~~), and a contaminant determination unit (~~31c~~) as a CPU (~~21~~) loads various programs stored in a memory units such as HDD (~~25~~).